GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

STARRED QUESTION NO:214
ANSWERED ON:08.08.2005
CONSTRUCTION OF WATERSHEDS
Mahato Shri Sunil Kumar;Reddy Shri Karunakara G.

Will the Minister of AGRICULTURE be pleased to state:

(a) whether the Union Government has formulated a comprehensive scheme for construction of watersheds in the country;

(b) if so, the details thereof;

(c) the number of watersheds sanctioned/constructed under the River Valley Project in Maharashtra so far and in other States separately;

(d) the total amount sanctioned under the scheme during each of the last three years;

(e) the total amount disbursed to States as financial assistance under the scheme;

(f) the targets fixed and achievements made thereunder during the above period, State-wise;

(g) whether the small agriculture watersheds are not being properly utilized;

(h) if so, the details thereof alongwith the reasons therefor; and

(i) the steps taken by the Government to ensure the proper utilization of small watersheds?

Answer

MINISTER OF AGRICULTURE (SHRI SHARAD PAWAR)

(a) to
(i): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO
(i) OF LOK SABHA STARRED QUESTION NO. 214 DUE FOR REPLY ON 8TH AUGUST, 2005.

(a)&(b): Government of India has formulated comprehensive schemes/ programmes for development of watershed in the country. The Watershed development programmes being implemented are

(i) National Watershed Development Project for Rainfed Areas (NWDPRA),

(ii) Soil Conservation for Enhancing Productivity of Degraded Lands in the Catchments of River Valley Project and Flood Prone River (RVP & FPR),
(iii) Watershed Development Project in Shifting Cultivation Areas (WDPSCA),
(iv) Reclamation of Alkali Soils (RAS),

(v) Drought Prone Area Programme(DPAP),
(vi) Desert Development Programme (DDP), and

(vii) Integrated Wasteland Development Programme (IWDP). The size of watershed varies from 500 ha. to 2000 ha. and such watersheds are being treated in an integrated manner with suitable soil and water conservation measures for development and management of natural resources. In addition to above programmes, a Watershed Development Fund (WDF) has been created at National Bank for Agricultural and Rural Development (NABARD) with total corpus of Rs.200.00 crore for Watershed Development. At present, 11 States, namely, Andhra Pradesh, Gujarat, Maharashtra, Karnataka, Tamil Nadu, Rajasthan, Chhatisgarh, Orissa, Jharkhand, Uttar Pradesh, and West Bengal are utilizing the support.

(c) to (f): In the State of Maharashtra, out of these programmes, four programmes namely, National Watershed Development Project for Rainfed Areas (NWDPRA), Soil Conservation for Enhancing Productivity of Degraded Lands in the Catchments of River Valley Project and Flood Prone River (RVP & FPR), Drought Prone Area Programme (DPAP) and Integrated Wasteland Development Programme (IWDP) are being implemented. The scheme wise details of number of ongoing watersheds, physical and financial achievements for three years (2002-05) of the States covered under each programme including Maharashtra are given in Annexure - I

to VII. Under WDF, 365 number of projects have been approved amounting to Rs.66.31 crore, out of which an amount of Rs.20.56 crore has actually been released so far.

(g) to
(i): Small watersheds are also included under these Watershed Development Programmes. Thrust has been given for involvement of beneficiaries / farmers in planning, implementation and maintenance of assets created. For this purpose, Watershed Committees / Associations have been constituted to ensure effective participation. The capacity building and trainings of the beneficiaries, demonstrations, exposure visits etc. are organized for the farmers to utilize the resources of small watersheds in sustainable manner.

ANNEXURE-I

(Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)
State-wise Physical and Financial Progress of National Watershed Development Project for Rainfed Areas (NWDPRA) last three years of X Plan.

Phy. Area in lakh ha. & Fin. In Rs. lakh

S.No.	Name of States	No. of Water-sheds	2002-03 Phy- sical	2002-03 Fina- ncial	2003-04 Phy- sical	2003-04 Fina- ncial	2004-05 Phy- sical	2004-05 Fina- ncial	Total Phy- sical	Total Fina- ncial
1	Andhra Pradesh	143	0.02	88.68	0.09	402.72	0.16	718.37	0.27	1209.77
2	Arunachal Pr.	45	0.00	0.00	0.02	134.80	0.03	184.93	0.05	319.73
3	Assam	75	0.04	188.00	0.02	100.00	0.01	45.00	0.07	333.00
4	Bihar	74	0.00	2.28	0.00	0.00	0.00	64.67	0.00	66.95
5	Chattisgargh	185	0.10	455.10	0.16	705.67	0.19	914.44	0.45	2075.21
6	Gujarat	450	0.00	41.81	0.25	1255.61	0.35	1536.15	0.60	2833.57
7	Haryana	36	0.01	57.63	0.01	88.72	0.02	117.63	0.04	263.98
8	Himachal Pr.	10	0.00	45.13	0.02	137.62	0.03	277.40	0.05	460.15
9	JharKhand	200	0.04	586.26	0.10	975.91	0.13	1244.31	0.27	2806.48
10	Jammu & Kashmir	172	0.00	2.52	0.00	3.60	0.23	39.82	0.23	45.94
11	Karnataka	568	0.04	776.54	0.15	1743.82	0.33	1723.71	0.52	4244.07
12	Kerala	148	0.00	6.61	0.00	139.00	0.13	800.81	0.13	946.42
13	Madhya Pradesh	594	0.33	1097.98	0.23	721.28	0.45	1195.99	1.01	3015.25
14	Maharashtra	433	0.08	686.00	0.16	850.00	0.31	1606.00	0.55	3142.00
15	Manipaur	79	0.00	47.50	0.03	190.00	0.07	374.17	0.10	611.67
16	Meghalaya	78	0.07	415.00	0.06	361.55	0.06	369.95	0.19	1146.50
17	Mizoram	105	0.03	360.00	0.07	410.00	0.12	860.40	0.22	1630.40
18	Nagaland	100	0.01	250.00	0.08	480.00	0.08	631.00	0.17	1361.00
19	Orissa	212	0.10	373.04	0.14	617.80	0.09	425.26	0.33	1416.10
20	Punjab	49	0.00	0.00	0.01	68.38	0.00	0.00	0.01	68.38
21	Rajasthan	1138	0.39	2555.20	0.84	3869.46	0.82	3382.29	2.05	9806.95
22	Sikkim	66	0.01	90.00	0.03	191.12	0.04	265.46	0.08	546.58
23	Tamil Nadu	763	0.31	1408.33	0.34	1525.00	0.19	2089.06	0.84	5022.39
24	Tripura	62	0.03	177.00	0.04	307.51	0.06	336.45	0.13	820.96
25	Uttar Pradesh	400	0.09	1121.80	0.24	948.72	0.34	1950.96	0.67	4021.48
26	Uttaranchal	158	0.07	446.00	0.13	975.44	0.26	1787.49	0.46	3208.93
27	West Bengal	136	0.01	42.92	0.00	0.00	0.00	130.00	0.01	172.92
28	Goa	27	0.00	14.34	0.01	74.32	0.02	175.73	0.03	264.39
29	A&N Island	8	0.00	24.11	0.01	45.51	0.01	51.00	0.02	120.62
30	D & N Haveli	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	Daman & Diu	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	6514	1.78	11359.78	3.24	17323.56	4.53	23298.45	9.55	51981.79

ANNEXURE-II

(Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)

State-wise Physical and Financial Progress of River Valley Projects and Flood Prone River (RVP & FPR) last three years of X Plan.

Phy. Area in lakh ha. & Fin. In Rs. lakh

S.No.	Name of States	No. of Water-sheds	2002-03 Phy- sical	2002-03 Fina- ncial	2003-04 Phy- sical	2003-04 Fina- ncial	2004-05 Phy- sical	2004-05 Fina- ncial	Total Phy- sical	Total Fina- ncial

1 Andhra Pr.
 a) Forests 15 0.060 533.80 0.062 628.00 0.027 339.54 0.15 1501.34
 b) Agri. 6 0.028 199.45 0.039 230.19 0.040 203.27 0.11 632.91
 SUB-TOTAL 21 0.088 733.25 0.101 858.19 0.067 542.81 0.26 2134.25
2 Arunachal Pr. 3 0.000 0.00 0.000 0.00 0.002 5.67 0.00 5.67
3 Assam 3 0.004 76.03 0.015 72.24 0.000 0.00 0.02 148.27
4 Bihar 1 0.000 0.00 0.000 0.00 0.000 0.00 0.00 0.00
5 Chattisgarh 9 0.039 158.41 0.040 122.65 0.022 119.68 0.10 400.74
6 Gujarat
 a) Forest. 8 0.012 123.00 0.020 215.33 0.015 116.45 0.05 454.78
 b) Agri. 9 0.026 283.03 0.061 458.73 0.118 986.16 0.21 1727.92
 SUB-TOTAL 17 0.038 406.03 0.081 674.06 0.133 1102.61 0.25 2182.70
7 Haryana 6 0.050 168.02 0.051 149.96 0.042 178.20 0.14 496.18
8 Himachal Pr. 42 0.034 519.76 0.042 673.21 0.038 647.35 0.11 1840.32
9 Jharkhand 0 0.000 0.00 0.000 0.00 0.000 0.00 0.00 0.00
10 Jammu & Kashmir 13 0.028 270.23 0.018 193.00 0.024 449.57 0.07 912.80
11 Karnataka 90 0.592 1564.24 0.228 952.66 0.217 816.68 1.04 3333.58
12 Kerala 8 0.005 215.87 0.033 187.87 0.026 231.11 0.06 634.85
13 Madhya Pradesh
 a) Agri 22 0.186 716.88 0.165 686.96 0.106 501.35 0.46 1905.19
 b) NVDD 19 0.098 343.15 0.064 302.50 0.056 307.19 0.22 952.84
 SUB-TOTAL 41 0.284 1060.03 0.229 989.46 0.162 808.54 0.68 2858.03
14 Maharashtra 127 0.167 1606.07 0.176 947.65 0.167 879.92 0.51 3433.64
15 Manipur 0 0.000 0.00 0.000 0.00 0.000 0.00 0.00 0.00
16 Meghalaya 0 0.000 0.00 0.000 0.00 0.000 6.00 0.00 6.00
17 Mizoram 4 0.010 90.00 0.006 110.00 0.008 99.85 0.02 299.85
18 Nagaland 1 0.000 0.00 0.000 0.00 0.026 174.00 0.03 174.00
19 Orissa 7 0.030 115.80 0.010 42.48 0.015 81.46 0.06 239.74
20 Punjab 5 0.000 0.00 0.000 0.00 0.000 0.00 0.00 0.00
21 Rajasthan 44 0.218 1430.19 0.227 1730.23 0.236 1837.91 0.68 4998.33
22 Sikkim 1 0.000 0.00 0.002 20.00 0.004 58.20 0.01 78.20
23 Tamil Nadu 19 0.039 525.74 0.038 557.29 0.060 627.52 0.14 1710.55
24 Tripura 6 0.005 44.80 0.003 50.00 0.004 27.48 0.01 122.28
25 Uttar Pradesh 145 0.237 1633.50 0.379 1551.95 0.423 2165.65 1.04 5351.10
26 Uttaranchal 39 0.039 227.39 0.018 227.00 0.041 285.35 0.10 739.74
27 West Bengal 7 0.008 55.23 0.004 230.32 0.080 198.26 0.09 483.81
Chandigarh 0.000 0.00 0.000 0.00 0.000 0.00 0.00 0.00
Delhi 0.00 0.00 0.00 0.000 0.00 0.000 0.00 0.00 0.00
DVC 45 0.124 1054.78 0.083 1176.12 0.097 1256.90 0.30 3487.80
Hd. Quarter 0.000 40.00 0.000 39.00 0.000 40.00 0.00 119.00
 TOTAL 704 2.039 11995.37 1.784 11555.34 1.894 12640.72 5.72 36191.43
PM Package 89 0.00 0.00 0.052 546.05 0.157 1063.41 0.21 1609.46
 for J&K
 Grand Total 793 2.039 11995.37 1.836 12101.39 2.051 13704.13 5.926 37800.89

ANNEXURE-III

(Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)

State-wise Physical and Financial Progress of Watershed Development Projects in Shifting Cultivation Areas (WDPSCA) lastthree years of X Plan.
Phy. Area in lakh ha. & Fin. In Rs. lakh

S.No. Name of States No. of 2002-03 2003-04 2004-05 Total

   Water- Phy- Fina- Phy- Fina- Phy- Fina- Phy- Fina-
   sheds sical ncial sical ncial sical ncial sical ncial

1 Arunachal Pr. 13 0.002 17.85 0.016 160.53 0.010 100.51 0.03 278.89
2 Assam 15 0.053 360.00 0.040 395.00 0.024 250.00 0.12 1005.00
3 Manipur 30 0.027 141.00 0.018 200.00 0.026 250.00 0.07 591.00
4 Meghalaya 38 0.014 250.00 0.026 300.00 0.048 300.00 0.09 850.00
5 Mizoram 42 0.040 480.00 0.046 490.00 0.036 350.00 0.12 1320.00
6 Nagaland 25 0.031 450.00 0.026 300.00 0.043 450.00 0.10 1200.00
7 Tripura 39 0.027 268.40 0.028 275.86 0.023 226.74 0.08 771.00
 Total 202 0.194 1967.25 0.200 2121.39 0.210 1927.25 0.604 6015.89

ANNEXURE-IV

(Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)

State-wise Physical and Financial Progress of Reclamation of Alkali Soils (RAS) since inception up-to IX Plan, during first three years of X Plan.

Phy. Area in lakh ha. & Fin. In Rs. lakh

S.No.	Name of States	2002-03		2003-04		2004-05		Total up to 2004-05	
		Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.
1	Andhra Pradesh	0.000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
2	Bihar	0.000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
3	Gujarat	0.031	135.83	0.048	240.37	0.172	253.35	0.25	629.55
4	Haryana	0.097	400.00	0.119	218.00	0.104	200.00	0.32	818.00
5	Karnataka	0.008	142.94	0.009	111.71	0.006	71.00	0.02	325.65
6	Madhya Pradesh	0.000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
7	Maharashtra	0.000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
8	Punjab	0.008	13.38	0.005	6.43	0.000	0.00	0.01	19.81
9	Rajasthan	0.070	112.00	0.013	8.54	0.051	50.97	0.13	171.51
10	Tamil Nadu	0.000	0.00	0.009	19.28	0.012	31.13	0.02	50.41
11	Uttar Pradesh	0.010	1.10	0.005	8.82	0.000	0.00	0.02	9.92
	Total	0.224	805.25	0.208	613.15	0.345	606.45	0.78	2024.85

ANNEXURE-V

Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)

STATEMENT SHOWING PROJECT SANCTIONED AND FUNDS RELEASED UNDER DESERT DEVELOPMENT PROGRAMME (DDP) OF MINISTRY OF RURAL DEVELOPMENT FROM 2002-03 TO 2004-05

(Phy. No. of projects & Fin. In Rs. crore)

S.No.	Name of States	2002-03		2003-04		2004-05		Total up to 2004-05	
		Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.
1	Andhra Pradhesh	110	12.12	110	5.67	110	17.74	330	35.53
2	Gujarat	277	34.18	298	56.12	298	46.81	873	137.11
3	Haryana	121	18.10	118	19.20	118	15.45	357	52.75
4	Himachal Pr.	73	8.51	49	7.87	38	2.45	160	18.83
5	Jammu & Kashmir	77	9.02	41	11.27	40	2.19	158	22.48
6	Karnataka	165	14.12	166	23.20	166	23.10	497	60.42
7	Rajasthan	779	88.94	780	91.47	830	107.25	2389	287.66
	Others		0.20	0	0.20				
	Total	1602	184.99	1562	214.80	1600	215.19	4764	614.98

Note:- A project under DDP generally covers an area of 500 hectares.

ANNEXURE-VI

(Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)

STATEMENT SHOWING PROJECT SANCTIONED AND FUNDS RELEASED UNDER DROUGHT PRONE AREA PROGRAMME OF MINISTRY OF RURAL DEVELOPMENT FROM 2002-03 TO 2004-05

Phy. No. of Projects & Fin. In Rs. Crore)

S.No.	Name of States	2002-03		2003-04		2004-05		Total up to 2004-05	
		Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.
1	Andhra Pradhesh	291	48.55	287	49.37	287	40.08	865	138.00

2 Bihar 60 2.50 60 3.23 68 3.11 188 8.84
3 Chattisgargh 116 16.00 116 13.29 116 17.94 348 47.23
4 Gujarat 241 32.73 250 33.63 250 25.37 741 91.73
5 Himachal Pr. 50 3.71 40 5.30 40 4.25 130 13.26
6 Jharkhand 164 2.23 66 4.22 66 2.23 296 8.68
7 Jammu & Kashmir 66 5.54 200 12.12 200 10.65 466 28.31
8 Karnataka 221 22.65 227 32.16 227 25.03 675 79.84
9 Madhya Pradesh 265 47.21 269 50.22 269 52.88 803 150.31
10 Maharashtra 300 12.95 296 14.84 303 34.86 899 62.65
11 Orissa 160 9.01 146 10.46 146 11.42 452 30.89
12 Rajasthan 113 14.31 96 19.79 96 15.74 305 49.84
13 Tamil Nadu 144 10.60 160 24.02 160 28.17 464 62.79
14 Uttar Pradesh 158 17.18 160 14.98 160 14.57 478 46.73
15 Uttaranchal 97 3.76 90 4.73 90 11.26 277 19.75
16 West Bengal 32 1.08 72 2.43 72 2.43 176 5.94
Others 0.01 0.20 0.20 0 0.41
Total 2478 250.02 2535 294.99 2550 300.19 7563 845.20

Note:- A project under DPAP generally covers an area of 500 hectares.

(Annexure to Lok Sabha Starred Question No. 214 on Construction of Watersheds for 08.08.2005)

ANNEXURE-VII

STATEMENT SHOWING AREA AND FUNDS RELEASED UNDER INTEGRATED WASTELAND DEVELOPMENT PROGRAMME (IWDP) OF MINISTRY OF RURAL DEVELOPMENT FROM 2002-03 TO 2004-05

(Area in lakh ha. and Fin. In Rs. crore)

S.No.
Name of States 2002-03 2003-04 2004-05 Total up to 2004-05
Area Fin. Area Fin. Area Fin. Area Fin.

1 Andhra Pradhesh 0.120 13.95 0.600 34.36 0.600 29.58 1.320 77.89
2 Bihar 0.000 0.66 0.450 3.71 0.450 4.35 0.900 8.72
3 Chattisgargh 0.000 5.50 0.400 11.97 0.436 17.24 0.836 34.71
4 Gujarat 0.000 14.94 0.575 17.34 0.450 10.72 1.025 43.00
5 Haryana 0.000 2.06 0.200 3.89 0.150 6.12 0.350 12.07
6 Himachal Pr. 0.000 15.01 0.430 13.50 0.150 13.45 0.580 41.96
7 Jharkhand 0.000 0.41 0.330 2.72 0.190 2.06 0.520 5.19
8 Jammu & Kashmir 0.000 2.21 0.050 2.42 0.500 4.23 0.550 8.86
9 Karnataka 0.065 13.94 0.450 23.20 0.200 24.67 0.715 61.81
10 Kerala 0.000 0.96 0.150 3.14 0.000 1.60 0.150 5.70
11 Madhya Pradesh 0.000 29.92 0.870 28.38 0.600 29.08 1.470 87.38
12 Maharashtra 0.079 7.05 0.450 9.49 0.500 16.00 1.029 32.54
13 Orissa 0.000 8.85 0.380 19.40 0.450 14.57 0.830 42.82
14 Punjab 0.000 0.00 0.000 0.51 0.154 1.94 0.154 2.45
15 Rajasthan 0.000 7.72 0.450 20.97 0.450 21.21 0.900 49.90
16 Tamil Nadu 0.000 8.38 0.550 19.94 0.510 24.71 1.060 53.03
17 Uttar Pradesh 0.221 16.57 0.650 19.74 0.650 18.02 1.521 54.33
18 Uttaranchal 0.000 3.36 0.160 3.64 0.344 12.28 0.504 19.28
19 West Bengal 0.000 0.00 0.100 0.83 0.138 1.56 0.238 2.39
20 Goa 0.100 0.83 0.100 0.83
Others 10.00 0.000 10.00
Total 0.485 151.49 7.345 249.98 6.922 253.39 14.752 654.86

North Eastern States
1 Arunachal Pr. 0.542 4.59 0.320 3.52 0.725 8.04 1.587 16.15 2 Assam 0.904 14.40 0.840 17.30 1.750 32.03 3.494 63.73 3 Manipaur 0.445 6.42 0.300 3.13 0.400 5.46 1.145 15.01 4 Meghalaya 0.000 0.24 0.280 4.44 0.140 1.94 0.420 6.62 5 Mizoram 0.407 11.55 0.400 6.12 0.400 9.74 1.207 27.41 6 Nagaland 0.573 17.41 0.400 18.68 0.400 17.11 1.373 53.20 7 Sikkim 0.000 1.84 0.180 2.69 0.164 3.24 0.344 7.77 8 Tripura 0.000 0.32 0.275 3.87 0.275 4.19 Total N.Eastern 2.871 56.45 2.720 56.20 4.254 81.43 9.845 194.080 Grand Total 3.356 207.94 10.065 306.18 11.176 334.82 24.597 848.935